

# Equipment Bucket Fell on Worker Failure to follow Proper Procedure – Lost Time Incident

SAFETY ALERT

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## Enform: Your Partner in Safety

Enform is the upstream oil and gas industry's advocate and leading resource for the continuous improvement of safety performance. Our mission is to help companies achieve their safety goals by providing practices, assessment, training, support, metrics and communication. Our vision is no work-related incidents or injuries in the Canadian upstream oil and gas industry.

## An Industry Product

This document was developed by industry for industry. Working collaboratively, Enform works with the submitting organization representative in developing these documents to improve the industry's hazard awareness. Canada's leading oil and gas industry trade associations support the use of shared information to help companies of all sizes improve performance.

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## Details

Release Date: October 15, 2012  
Incidence Type: Loss Time Incident  
Country and Region: Canada

For more information on this event, please contact: [safety@enform.ca](mailto:safety@enform.ca)

## Description of Incident:

A team of workers was tasked with changing the bucket of an excavator. This excavator had hydraulic lines that required removal as well as the wedge in order to remove the bucket.

- While the bucket was curled inwards to expose the lines
  - a worker was unhooking the hydraulic lines of the bucket,
  - other workers removed the wedge, at the same time.
- The bucket rocked forward hitting the lone worker on the back of his head and left shoulder blade, knocking the worker down and forward.
- The worker received a concussion, as well as pain in his left shoulder blade and neck.

## What Caused It:

Preliminary Learning Points Proper JSA and Hazard Assessments need to be completed prior to each task.

## Corrective/ Preventive Actions:

Key Recommendations that were made, as a result of this incident were:

There must always be a proper hazard assessment and work procedure in place, prior to conducting potentially dangerous operations, and Workers need to be aware of line of fire and potential energy sources:

- Never put your body in the line of fire (a position where you could be struck).
- Never stand directly behind wedge when removing. It can come back with a lot of stored force.

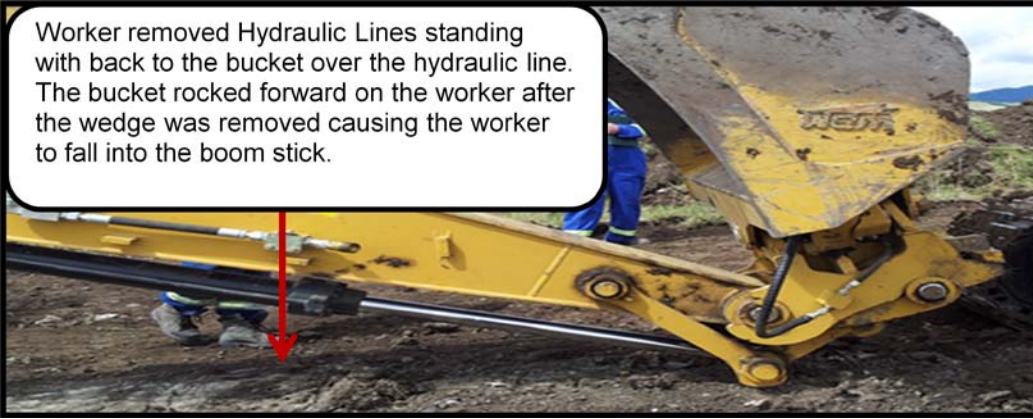
All attachments with hydraulic lines require a two step removal process:

1. Curl bucket inwards to expose the hydraulic lines
  - Use a wrench (not by hand) to remove them
2. Uncurl the bucket
  - Place bucket on the ground in the resting position
  - Remove the wedge that holds the bucket in place.

The company has developed visual aids (pictures with comments). Go to page two view pictures.

By industry, for industry

Worker removed Hydraulic Lines standing with back to the bucket over the hydraulic line. The bucket rocked forward on the worker after the wedge was removed causing the worker to fall into the boom stick.



Leave wedge in place while disconnecting hydraulic lines with bucket in this position



Once hydraulic lines are disconnected, place bucket in this position, to remove the wedge.

